



Norman H. Bangerter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

September 3, 1987

RECEIVED
SEP 8 1987
DIVISION OF OIL
GAS & MINING

Mr. Jerry Glazier, President
5M Inc.
P.O. Box 752
Hurricane, Utah 84737

RE: Silver Reef
Design Information Request

Dear Mr. Glazier:

We have reviewed the information submitted and find that additional information must be provided so we can establish the components and functions of this existing facility and determine if the facility as constructed is acceptable with regard to water pollution control. The information requested (outlined below) must be submitted to this Bureau before the facilities can be put back into operation.

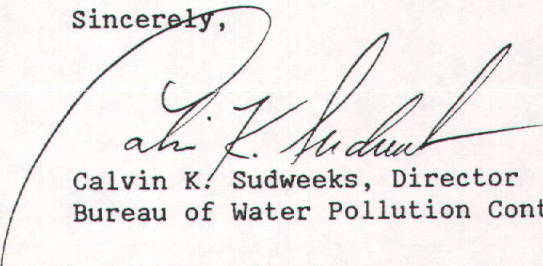
- A. Based on the information submitted and the copy of the 1978 predesign report, it is difficult to establish the overall project concept for our files. We request that brief descriptions be provided of all unit processes, including the mine (type and location), milling area, leach pad, pregnant solution pond, barren solution pond, overflow pond, associated piping, leak detection systems, surface run off diversion system, etc. These descriptions should include comments on overall design function, provisions to isolate each unit process from the environment and how this unit process has performed.
- B. Drawing No. 9 contains a detail of the liner system which shows an 8 inch layer of 1/2 inch size gravel. It appears as though this gravel layer would serve as a leak detection system. If this is the case, details of the leak detection system including collection of leakage, leak collection sump, and disposition of leakage should be provided. This same leak detection system information should be provided for the pregnant solution pond, barren solution pond, the overflow pond and any other unit processes with leak detection systems.
- C. Any and all monitoring reports from any leak detection systems including below liner collection systems, monitoring wells or any leak detection device which may exist on the site should be submitted for review.

Page Two

- D. Also, basic design information such as the continuous operation design life of the project, size of maximum daily workforce, disposition of process wastes, and the procedure for expansion of the leach pile with new ore should be submitted.

Please call Charlie Dietz at 538-6146 if there are any questions.

Sincerely,



Calvin K. Sudweeks, Director
Bureau of Water Pollution Control

cc: Wayne Thomas, S.W. District Health Department
Division of Oil, Gas and Mining
Bureau of Solid and Hazardous Waste

CKS/cww

0443c